

APPENDIX

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com.classiq.message.viewers

Class RawMessageView

```

java.lang.Object
|
+--java.awt.Component
|   |
|   +--java.awt.Container
|       |
|       +--javax.swing.JComponent
|           |
|           +--javax.swing.JPanel
|               |
|               +--com.classiq.message.viewers.RawMessageView

```

All Implemented Interfaces:[Accessible](#), [IHighlightListener](#), [ImageObserver](#), [IViewer](#), [MenuContainer](#), [Serializable](#)public class **RawMessageView**extends [JPanel](#)implements [IViewer](#), [IHighlightListener](#)**See Also:**[Serialized Form](#)**Inner classes inherited from class javax.swing.JPanel**[JPanel.AccessibleJPanel](#)**Inner classes inherited from class javax.swing.JComponent**[JComponent.AccessibleJComponent](#), [JComponent.ActionStandin](#), [JComponent.IntVector](#), [JComponent.KeyboardState](#)**Inner classes inherited from class java.awt.Container**[Container.AccessibleAWTContainer](#)**Inner classes inherited from class java.awt.Component**[Component.AccessibleAWTComponent](#), [Component.AWTTreeLoc](#)**Field Summary**

Highlighter	aHighlighter
private ConfigurationManager	cm
private JTextField	endOffset
private JButton	jButton1

private JLabel	<u>jLabel11</u>
private JLabel	<u>jLabel12</u>
private JPanel	<u>jPanel11</u>
private JPanel	<u>jPanel13</u>
private JPanel	<u>jPanel14</u>
private JPanel	<u>jPanel15</u>
private JPanel	<u>jPanel16</u>
private JPanel	<u>jPanel17</u>
private JPanel	<u>jPanel18</u>
private JScrollPane	<u>jScrollPane2</u>
private JPanel	<u>RawCard</u>
private JTextArea	<u>rawDataArea</u>
private JTextField	<u>startOffset</u>
ISetCurrentData	<u>theCurrentDataIF</u>

Fields inherited from class javax.swing.JPanel

defaultLayout, uiClassID

Fields inherited from class javax.swing.JComponent

bounds, accessibleContext, actionMap, ACTIONMAP CREATED, alignmentX, alignmentY, ANCESTOR INPUTMAP CREATED, ANCESTOR USING BUFFER, ancestorInputMap, ancestorNotifier, autoscroller, border, changeSupport, clientProperties, CREATED DOUBLE BUFFER, flags, FOCUS INPUTMAP CREATED, focusInputMap, HAS FOCUS, htmlKey, htmlView, inputVerifier, IS DOUBLE BUFFERED, IS OPAQUE, IS PAINTING TILE, IS PRINTING, IS PRINTING ALL, KEY EVENTS ENABLED, KEYBOARD BINDINGS KEY, listenerList, maximumSize, minimumSize, NEXT FOCUS, paintImmediatelyClip, paintingChild, preferredSize, readObjectCallbacks, REQUEST FOCUS DISABLED, tmpRect, TOOL TIP TEXT KEY, ui, UNDEFINED CONDITION, verifyInputWhenFocusTarget, vetoableChangeSupport, WHEN ANCESTOR OF FOCUSED COMPONENT, WHEN FOCUSED, WHEN IN FOCUSED WINDOW, WHEN IN FOCUSED WINDOW BINDINGS, WIF INPUTMAP CREATED, windowInputMap

Fields inherited from class java.awt.Container

component, containerListener, containerSerializedDataVersion, dbg, dispatcher, layoutMgr, listeningBoundsChildren, listeningChildren, maxSize, ncomponents, printing, printingThreads, serialVersionUID

Fields inherited from class java.awt.Component

actionListenerK, adjustmentListenerK, appContext, background, BOTTOM ALIGNMENT, CENTER ALIGNMENT, componentListener, componentListenerK, componentOrientation, componentSerializedDataVersion, containerListenerK, cursor, dropTarget, enabled, eventMask, focusListener, focusListenerK, font, foreground, graphicsConfig, hasFocus, height, hierarchyBoundsListener, hierarchyBoundsListenerK,

Fields inherited from interface `java.awt.image.ImageObserver`

Constructor Summary

Creates new form ComplexTypeComparison

Method Summary

Methods inherited from class `javax.swing.JPanel`

Methods inherited from class javax.swing.JComponent

paintImmediately, addAncestorListener, addNotify, addPropertyChangeListener,
addPropertyChangeListener, addVetoableChangeListener, adjustPaintFlags, alwaysOnTop,
checkIfChildObscuredBySibling, clearFocusOwners, componentInputMapChanged, computeVisibleRect,
computeVisibleRect, compWriteObjectNotify, contains, createToolTip, disable, enable,
enableSerialization, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange,
fireVetoableChange, getActionForKeyStroke, getActionMap, getActionMap, getAlignmentX, getAlignmentY,
getAutoscrolls, getBorder, getBounds, getClientProperties, getClientProperty, getComponentGraphics,
getConditionForKeyStroke, getCreatedDoubleBuffer, getDebugGraphicsOptions, getFlag, getGraphics,
getHeight, getInputMap, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners,
getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPreferredSize,
getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText,
getTopLevelAncestor, getVerifyInputWhenFocusTarget, getVisibleRect, getWidth, getX, getY, grabFocus,
hasFocus, hide, isDoubleBuffered, isFocusCycleRoot, isFocusTraversable, isLightweightComponent,
isManagingFocus, isMaximumSizeSet, isMinimumSizeSet, isOpaque, isOptimizedDrawingEnabled,
isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, isValidatedRoot, paint, paintBorder,
paintChildren, paintComponent, paintImmediately, paintImmediately, paintWithBuffer, print, printAll,
printBorder, printChildren, printComponent, processComponentKeyEvent, processFocusEvent,
processKeyBinding, processKeyBindings, processKeyBindingsForAllComponents, processKeyEvent,
processMouseEvent, putClientProperty, readObject, rectangleIsObscured,
rectangleIsObscuredBySibling, registerKeyboardAction, registerKeyboardAction,
registerWithKeyboardManager, registerWithKeyboardManager, removeAncestorListener, removeNotify,
removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint,
repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate,
scrollRectToVisible, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground,
setBorder, setCreatedDoubleBuffer, setDebugGraphicsOptions, setDoubleBuffered, setEnabled, setFlag,

```
setFont, setForeground, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize,
setNextFocusableComponent, setOpaque, setPaintingChild, setPreferredSize, setRequestFocusEnabled,
setToolTipText, setUI, setVerifyInputWhenFocusTarget, setVisible, shouldDebugGraphics,
superProcessMouseEvent, unregisterKeyboardAction, unregisterWithKeyboardManager,
unregisterWithKeyboardManager, update
```

Methods inherited from class java.awt.Container

```
add, add, add, add, add, addContainerListener, addImpl, adjustListeningChildren, applyOrientation,
checkGD, countComponents, createChildHierarchyEvents, createHierarchyEvents, deliverEvent,
dispatchEventImpl, dispatchEventToSelf, doLayout, eventEnabled, findComponentAt, findComponentAt,
findComponentAt, getAccessibleAt, getAccessibleChild, getAccessibleChildrenCount, getComponent,
getComponentAt, getComponentAt, getComponentCount, getComponents_NoClientCode, getComponents,
getLayout, getMouseEventTarget, getWindow, initIDs, insets, invalidate, invalidateTree, isAncestorOf,
layout, lightweightPaint, lightweightPrint, list, list, locate, minimumSize, nextFocus, numListening,
paintComponents, paintHeavyweightComponents, postProcessKeyEvent, postsOldMouseEvent, preferredSize,
preProcessKeyEvent, printComponents, printHeavyweightComponents, processContainerEvent, processEvent,
proxyEnableEvents, proxyRequestFocus, remove, remove, removeAll, removeContainerListener,
setFocusOwner, setLayout, transferFocus, validate, validateTree
```

Methods inherited from class java.awt.Component

```
action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener,
addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener,
areInputMethodsEnabled, bounds, checkImage, checkImage, checkWindowClosingException, coalesceEvents,
constructComponentName, contains, createImage, createImage, disableEvents, dispatchEvent, enable,
enableEvents, enableInputMethods, getAccessibleIndexInParent, getAccessibleStateSet, getBackground,
getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont_NoClientCode,
getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext,
getInputMethodRequests, getLocale, getLocation, getLocationOnScreen_NoTreeLock, getLocationOnScreen,
getName, getNativeContainer, getParent_NoClientCode, getParent, getPeer, getSize, getToolkit,
getToolkitImpl, getTreeLock, getWindowForObject, getFocus, handleEvent, imageUpdate, inside,
isDisplayable, isEnabled, isEnabledImpl, isLightweight, isRecursivelyVisible, isShowing, isValid,
isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter,
mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage,
processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent,
processMouseEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener,
removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener,
removeMouseMotionListener, repaint, repaint, repaint, resetGC, resize, resize, setBounds, setBounds,
setComponentOrientation, setCursor, setDropTarget, setLocale, setLocation, setLocation, setName,
setSize, setSize, show, show, size, toString, transferFocus
```

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, wait, wait, wait
```

Field Detail

theCurrentDataIF

```
public ISetCurrentData theCurrentDataIF
```

aHighlighter

```
public Highlighter aHighlighter
```

cm

```
private ConfigurationManager cm
```

endOffset

```
private TextField endOffset
```

startOffset

```
private TextField startOffset
```

jButton1

```
private Button jButton1
```

jPanel8

```
private Panel jPanel8
```

jPanel7

```
private Panel jPanel7
```

jScrollPane2

```
private ScrollPane jScrollPane2
```

jLabel2

```
private Label jLabel2
```

jPanel6

```
private Panel jPanel6
```

jLabel1

```
private Label jLabel1
```

jPanel5

```
private JPanel jPanel5
```

rawDataArea

```
private JTextArea rawDataArea
```

jPanel4

```
private JPanel jPanel4
```

jPanel3

```
private JPanel jPanel3
```

jPanel1

```
private JPanel jPanel1
```

RawCard

```
private JPanel RawCard
```

Constructor Detail

RawMessageView

```
public RawMessageView(ConfigurationManager cm,  
                       ISetCurrentData theDataInterface)
```

Creates new form ComplexTypeComparison

RawMessageView

```
public RawMessageView(ConfigurationManager cm,  
                       ISetCurrentData theDataInterface,  
                       boolean isEditable)
```

Method Detail

main

```
public static void main(String[] args)
    throws Exception
```

initComponents

```
private void initComponents()
```

This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.

jButton1ActionPerformed

```
private void jButton1ActionPerformed(ActionEvent evt)
```

setData

```
public void setData(String theData)
```

Specified by:

setData in interface IViewer

getData

```
public String getData()
```

Specified by:

getData in interface IViewer

HighlightUpdated

```
public void HighlightUpdated()
```

Specified by:

HighlightUpdated in interface IHighlightListener

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com.classiq.message.viewers

Class FixedFormatMessageView

```

java.lang.Object
|
+--java.awt.Component
|   |
|   +--java.awt.Container
|       |
|       +--javax.swing.JComponent
|           |
|           +--javax.swing.JPanel
|               |
|               +--com.classiq.message.viewers.FixedFormatMessageView
    
```

All Implemented Interfaces:

[Accessible](#), [ImageObserver](#), [IViewer](#), [MenuContainer](#), [Serializable](#)

```

public class FixedFormatMessageView
extends JPanel
implements IViewer
    
```

Version:

3

See Also:

[Serialized Form](#)

Inner classes inherited from class javax.swing.JPanel

[JPanel.AccessibleJPanel](#)

Inner classes inherited from class javax.swing.JComponent

[JComponent.AccessibleJComponent](#), [JComponent.ActionStandin](#), [JComponent.IntVector](#), [JComponent.KeyboardState](#)

Inner classes inherited from class java.awt.Container

[Container.AccessibleAWTContainer](#)

Inner classes inherited from class java.awt.Component

[Component.AccessibleAWTComponent](#), [Component.AWTTreeLock](#)

Field Summary

private ConfigurationManager	cm
private Object {}	currentData
private JTable	dataTable

private boolean	<u>editable</u>
private JPanel	<u>FixedCard</u>
private JPanel	<u>jPanel2</u>
private JScrollPane	<u>jScrollPane1</u>
private int	<u>msgType</u>
private Object[]	<u>rightClickOptions</u>
private JButton	<u>templateManagementButton</u>
private JComboBox	<u>templateSelector</u>
ISetCurrentData	<u>theCurrentDataIF</u>
String	<u>theMessage</u>
private TemplateTableMouseEvents	<u>theRightClickMouseHandler</u>

Fields inherited from class javax.swing.JPaneldefaultLayout, uiClassID**Fields inherited from class javax.swing.JComponent**

bounds, accessibleContext, actionMap, ACTIONMAP_CREATED, alignmentX, alignmentY, ANCESTOR_INPUTMAP_CREATED, ANCESTOR_USING_BUFFER, ancestorInputMap, ancestorNotifier, autoscroller, border, changeSupport, clientProperties, CREATED_DOUBLE_BUFFER, flags, FOCUS_INPUTMAP_CREATED, focusInputMap, HAS_FOCUS, htmlKey, htmlView, inputVerifier, IS_DOUBLE_BUFFERED, IS_OPAQUE, IS_PAINTING_TILE, IS_PRINTING, IS_PRINTING_ALL, KEY_EVENTS_ENABLED, KEYBOARD_BINDINGS_KEY, listenerList, maximumSize, minimumSize, NEXT_FOCUS, paintImmediatelyClip, paintingChild, preferredSize, readObjectCallbacks, REQUEST_FOCUS_DISABLED, tmpRect, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, verifyInputWhenFocusTarget, vetoableChangeSupport, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW, WHEN_IN_FOCUSED_WINDOW_BINDINGS, WIF_INPUTMAP_CREATED, windowInputMap

Fields inherited from class java.awt.Container

component, containerListener, containerSerializedDataVersion, dbg, dispatcher, layoutMgr, listeningBoundsChildren, listeningChildren, maxSize, ncomponents, printing, printingThreads, serialVersionUID

Fields inherited from class java.awt.Component

actionListenerK, adjustmentListenerK, appContext, background, BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, componentListener, componentListenerK, componentOrientation, componentSerializedDataVersion, containerListenerK, cursor, dropTarget, enabled, eventMask, focusListener, focusListenerK, font, foreground, graphicsConfig, hasFocus, height, hierarchyBoundsListener, hierarchyBoundsListenerK, hierarchyListener, hierarchyListenerK, incRate, inputMethodListener, inputMethodListenerK, isInc, isPacked, itemListenerK, keyListener, keyListenerK, LEFT_ALIGNMENT, locale, LOCK, metrics, minSize, mouseListener, mouseListenerK, mouseMotionListener, mouseMotionListenerK, name, nameExplicitlySet, newEventsOnly, ownedWindowK, parent, peer, peerFont, popups, prefSize, privateKey, RIGHT_ALIGNMENT, textListenerK, TOP_ALIGNMENT, valid, visible, width, windowClosingException, windowListenerK, x, y

Fields inherited from interface java.awt.image.ImageObserverABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

FixedFormatMessageView([ConfigurationManager](#) cm, [ISetCurrentData](#) theDataInterface)

FixedFormatMessageView([ConfigurationManager](#) cm, [ISetCurrentData](#) theDataInterface, boolean editable, [Object](#)[] rightClickOptions)

FixedFormatMessageView([ConfigurationManager](#) cm, [ISetCurrentData](#) theDataInterface, boolean editable, [Object](#)[] rightClickOptions, int msgType)

Method Summary

private void	dataTableKeyReleased (KeyEvent evt)
private void	dataTableMouseClicked (MouseEvent evt)
private void	dataTableMousePressed (MouseEvent evt)
private void	dataTableMouseReleased (MouseEvent evt)
void	doTemplateManagement ()
String	getData ()
ArrayList	getMappedData ()
ArrayList	getSubstitutedData ()
Template []	getTemplateArray ()
private void	initComponents () This method is called from within the constructor to initialize the form.
static void	main (String [] matt)
private boolean	reportChangedSelection ()
void	setData (String theData)
void	setIncomingMessage (String theData)
void	setMappedData (ArrayList newMappedData)
void	setSubstitutions (String theSubs)
private void	templateManagementButtonActionPerformed (ActionEvent evt)
private void	templateSelectorActionPerformed (ActionEvent evt)

Methods inherited from class javax.swing.JPanel

, [getAccessibleContext](#), [getUIClassID](#), [paramString](#), [updateUI](#), [writeObject](#)

paintImmediately, addAncestorListener, addNotify, addPropertyChangeListener,
addPropertyChangeListener, addVetoableChangeListener, adjustPaintFlags, alwaysOnTop,
checkIfChildObscuredBySibling, clearFocusOwners, componentInputMapChanged, computeVisibleRect,
computeVisibleRect, compWriteObjectNotify, contains, createToolTip, disable, enable,
enableSerialization, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange,
fireVetoableChange, getActionForKeyStroke, getActionMap, getActionMap, getAlignmentX, getAlignmentY,
getAutoscrolls, getBorder, getBounds, getClientProperties, getClientProperty, getComponentGraphics,
getConditionForKeyStroke, getCreatedDoubleBuffer, getDebugGraphicsOptions, getFlag, getGraphics,
getHeight, getInputMap, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners,
getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPreferredSize,
getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText,
getTopLevelAncestor, getVerifyInputWhenFocusTarget, getVisibleRect, getWidth, getX, getY, grabFocus,
hasFocus, hide, isDoubleBuffered, isFocusCycleRoot, isFocusTraversable, isLightweightComponent,
isManagingFocus, isMaximumSizeSet, isMinimumSizeSet, isOpaque, isOptimizedDrawingEnabled,
isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, isValidateRoot, paint, paintBorder,
paintChildren, paintComponent, paintImmediately, paintImmediately, paintWithBuffer, print, printAll,
printBorder, printChildren, printComponent, processComponentKeyEvent, processFocusEvent,
processKeyBinding, processKeyBindings, processKeyBindingsForAllComponents, processKeyEvent,
processMouseEvent, putClientProperty, readObject, rectangleIsObscured,
rectangleIsObscuredBySibling, registerKeyboardAction, registerKeyboardAction,
registerWithKeyboardManager, registerWithKeyboardManager, removeAncestorListener, removeNotify,
removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint,
repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate,
scrollRectToVisible, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground,
setBorder, setCreatedDoubleBuffer, setDebugGraphicsOptions, setDoubleBuffered, setEnabled, setFlag,
setFont, setForeground, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize,
setNextFocusableComponent, setOpaque, setPaintingChild, setPreferredSize, setRequestFocusEnabled,
setToolTipText, setUI, setVerifyInputWhenFocusTarget, setVisible, shouldDebugGraphics,
superProcessMouseEvent, unregisterKeyboardAction, unregisterWithKeyboardManager,
unregisterWithKeyboardManager, update

add, add, add, add, add, addContainerListener, addImpl, adjustListeningChildren, applyOrientation, checkGD, countComponents, createChildHierarchyEvents, createHierarchyEvents, deliverEvent, dispatchEventImpl, dispatchEventToSelf, doLayout, eventEnabled, findComponentAt, findComponentAt, findComponentAt, getAccessibleAt, getAccessibleChild, getAccessibleChildrenCount, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, NoClientCode, getComponents, setLayout, getMouseEventTarget, getWindow, initIDs, insets, invalidate, invalidateTree, isAncestorOf, layout, lightweightPaint, lightweightPrint, list, list, locate, minimumSize, nextFocus, numListening, paintComponents, paintHeavyweightComponents, postProcessKeyEvent, postsOldMouseEvents, preferredSize, preProcessEvent, printComponents, printHeavyweightComponents, processContainerEvent, processEvent, proxyEnableEvents, proxyRequestFocus, remove, remove, removeAll, removeContainerListener, setFocusOwner, setLayout, transferFocus, validate, validateTree

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, areInputMethodsEnabled, bounds, checkImage, checkImage, checkWindowClosingException, coalesceEvents, constructComponentName, contains, createImage, createImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, getAccessibleIndexInParent, getAccessibleStateSet, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont NoClientCode, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen NoTreeLock, getLocationOnScreen, getName, getNativeContainer, getParent NoClientCode, getParent, getPeer, getSize, getToolkit, getToolkitImpl, getTreeLock, getWindowForObject, gotFocus, handleEvent, imageUpdate, inside, isDisplayable, isEnabled, isEnabledImpl, isLightweight, isRecursivelyVisible, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resetGC, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus

clone, equals, finalize, getClass, hashCode, hashCode, hashCode, registerNatives, wait, wait, wait

Field Detail

theMessage

```
public String theMessage
```

theCurrentDataIF

```
public ISetCurrentData theCurrentDataIF
```

currentData

```
private Object[] currentData
```

cm

```
private ConfigurationManager cm
```

editable

```
private boolean editable
```

rightClickOptions

```
private Object[] rightClickOptions
```

theRightClickMouseHandler

```
private TemplateTableMouseEvents theRightClickMouseHandler
```

msgType

```
private int msgType
```

templateSelector

```
private JComboBox templateSelector
```

dataTable

```
private JTable dataTable
```

FixedCard

```
private JPanel FixedCard
```

templateManagementButton

```
private JButton templateManagementButton
```

jScrollPane1

```
private JScrollPane jScrollPane1
```

jPanel2

```
private JPanel jPanel2
```

Constructor Detail**FixedFormatMessageView**

```
public FixedFormatMessageView(ConfigurationManager cm,  
                               ISetCurrentData theDataInterface,  
                               boolean editable,  
                               Object[] rightClickOptions)
```

FixedFormatMessageView

```
public FixedFormatMessageView(ConfigurationManager cm,  
                               ISetCurrentData theDataInterface,  
                               boolean editable,  
                               Object[] rightClickOptions,  
                               int msgType)
```

FixedFormatMessageView

```
public FixedFormatMessageView(ConfigurationManager cm,  
                             ISetCurrentData theDataInterface)
```

Method Detail

main

```
public static void main(String[] matt)  
    throws Exception
```

initComponents

```
private void initComponents()
```

This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.

dataTableMouseClicked

```
private void dataTableMouseClicked(MouseEvent evt)
```

dataTableMousePressed

```
private void dataTableMousePressed(MouseEvent evt)
```

templateManagementButtonActionPerformed

```
private void templateManagementButtonActionPerformed(ActionEvent evt)
```

doTemplateManagement

```
public void doTemplateManagement()
```

getTemplateArray

```
public Template[] getTemplateArray()
```

dataTableMouseReleased

```
private void dataTableMouseReleased(MouseEvent evt)
```

dataTableKeyReleased

```
private void dataTableKeyReleased(KeyEvent evt)
```

templateSelectorActionPerformed

```
private void templateSelectorActionPerformed(ActionEvent evt)
```

setIncomingMessage

```
public void setIncomingMessage(String theData)
```

reportChangedSelection

```
private boolean reportChangedSelection()
```

getMappedData

```
public ArrayList getMappedData()
```

getSubstitutedData

```
public ArrayList getSubstitutedData()
```

setMappedData

```
public void setMappedData(ArrayList newMappedData)
```

Since:
2

setSubstitutions

```
public void setSubstitutions(String theSubs)
```

Since:
3

getData

```
public String getData()
```

Specified by:

getData in interface IViewer

setData

```
public void setData(String theData)
```

Specified by:

setData in interface IViewer

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com.classiq.message.viewers

Class XMLMessageView

```

java.lang.Object
|
+-- java.awt.Component
|   |
|   +-- java.awt.Container
|       |
|       +-- javax.swing.JComponent
|           |
|           +-- javax.swing.JPanel
|               |
|               +-- com.classiq.message.viewers.XMLMessageView
    
```

All Implemented Interfaces:

[Accessible](#), [ImageObserver](#), [IViewer](#), [MenuContainer](#), [Serializable](#)

```

public class XMLMessageView
extends JPanel
implements IViewer
    
```

Creates a view of xml data in tree form

Version:

4

See Also:

[Serialized Form](#)

Inner classes inherited from class javax.swing.JPanel

[JPanel.AccessibleJPanel](#) .

Inner classes inherited from class javax.swing.JComponent

[JComponent.AccessibleJComponent](#), [JComponent.ActionStandin](#), [JComponent.IntVector](#),
[JComponent.KeyboardState](#)

Inner classes inherited from class java.awt.Container

[Container.AccessibleAWTContainer](#)

Inner classes inherited from class java.awt.Component

[Component.AccessibleAWTComponent](#), [Component.AWTTreeLock](#)

Field Summary

private ConfigurationManager	cm
private boolean	editable

private int	<u>msgType</u>
JTree	<u>myXMLTree</u>
private Object[]	<u>rightClickOptions</u>
ISetCurrentData	<u>theCurrentDataIF</u>
String	<u>theMessage</u>
private EditableXMLTreeNodeMouseEvents	<u>theRightClickMouseHandler</u>

Fields inherited from class javax.swing.JPaneldefaultLayout, uiClassID**Fields inherited from class javax.swing.JComponent**

bounds, accessibleContext, actionMap, ACTIONMAP_CREATED, alignmentX, alignmentY, ANCESTOR_INPUTMAP_CREATED, ANCESTOR_USING_BUFFER, ancestorInputMap, ancestorNotifier, autoscroller, border, changeSupport, clientProperties, CREATED_DOUBLE_BUFFER, flags, FOCUS_INPUTMAP_CREATED, focusInputMap, HAS_FOCUS, htmlKey, htmlView, inputVerifier, IS_DOUBLE_BUFFERED, IS_OPAQUE, IS_PAINTING_TILE, IS_PRINTING, IS_PRINTING_ALL, KEY_EVENTS_ENABLED, KEYBOARD_BINDINGS_KEY, listenerList, maximumSize, minimumSize, NEXT_FOCUS, paintImmediatelyClip, paintingChild, preferredSize, readObjectCallbacks, REQUEST_FOCUS_DISABLED, tmpRect, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, verifyInputWhenFocusTarget, vetoableChangeSupport, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW, WHEN_IN_FOCUSED_WINDOW_BINDINGS, WIF_INPUTMAP_CREATED, windowInputMap

Fields inherited from class java.awt.Container

component, containerListener, containerSerializedDataVersion, dbg, dispatcher, layoutMgr, listeningBoundsChildren, listeningChildren, maxSize, ncomponents, printing, printingThreads, serialVersionUID

Fields inherited from class java.awt.Component

actionListenerK, adjustmentListenerK, appContext, background, BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, componentListener, componentListenerK, componentOrientation, componentSerializedDataVersion, containerListenerK, cursor, dropTarget, enabled, eventMask, focusListener, focusListenerK, font, foreground, graphicsConfig, hasFocus, height, hierarchyBoundsListener, hierarchyBoundsListenerK, hierarchyListener, hierarchyListenerK, incRate, inputMethodListener, inputMethodListenerK, isInc, isPacked, itemListenerK, keyListener, keyListenerK, LEFT_ALIGNMENT, locale, LOCK, metrics, minSize, mouseListener, mouseListenerK, mouseMotionListener, mouseMotionListenerK, name, nameExplicitlySet, newEventsOnly, ownedWindowK, parent, peer, peerFont, popups, prefSize, privateKey, RIGHT_ALIGNMENT, textListenerK, TOP_ALIGNMENT, valid, visible, width, windowClosingException, windowListenerK, x, y

Fields inherited from interface java.awt.image.ImageObserverABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH**Constructor Summary**XMLMessageView(ConfigurationManager cm, ISetCurrentData myCurrentDataIF)

Same as calling XMLMessageView(cm, myCurrentDataIF, false, null)

XMLMessageView(ConfigurationManager cm, ISetCurrentData myCurrentDataIF, boolean editable, Object [] rightClickOptions)XMLMessageView(ConfigurationManager cm, ISetCurrentData myCurrentDataIF, boolean editable, Object [] rightClickOptions, int msgType)

Method Summary

private String	convertDOMToString (org.w3c.dom.Node root) Deprecated. use <code>com.classiq.util.XMLUtil2.convertDOMToString(Node)</code>
private String	convertDOMToStringRecurse (org.w3c.dom.Node node, String xmlString)
String	getData ()
org.w3c.dom.Document	getDataAsXMLDOM ()
String	getDataAsXMLString ()
ArrayList	getMappedData ()
org.w3c.dom.Node	getSelectedNodeData ()
ArrayList	getSubstitutedData ()
private void	initComponents () This method is called from within the constructor to initialize the form.
static void	main (String [] matt)
private void	myXMLTreeSelectionChanged (TreeSelectionEvent evt)
private void	reportChangedSelection ()
void	setData (org.w3c.dom.Document theData)
void	setData (org.w3c.dom.Node theData)
void	setData (String theData)
void	setEditable (boolean editable) Sets the tree to either editable or not
void	setRootVisible (boolean visible) sets the root of the tree to be either visible or not
void	setSubstitutions (String theSubs)

Methods inherited from class javax.swing.JPanel

```
, getAccessibleContext, getUIClassID, paramString, updateUI, writeObject
```

Methods inherited from class `javax.swing.JComponent`

paintImmediately, addAncestorListener, addNotify, addPropertyChangeListener,
addPropertyChangeListener, addVetoableChangeListener, adjustPaintFlags, alwaysOnTop,
checkIfChildObscuredBySibling, clearFocusOwners, componentInputMapChanged, computeVisibleRect,
computeVisibleRect, compWriteObjectNotify, contains, createToolTip, disable, enable,
enableSerialization, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange,
fireVetoableChange, getActionForKeyStroke, getActionMap, getActionMap, getAlignmentX, getAlignmentY,
getAutoscrolls, getBorder, getBounds, getClientProperties, getClientProperty, GetComponentGraphics,
getConditionForKeyStroke, getCreatedDoubleBuffer, getDebugGraphicsOptions, getFlag, getGraphics,
getHeight, getInputMap, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners,
getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPreferredSize,

getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getVerifyInputWhenFocusTarget, getVisibleRect, getWidth, getX, getY, grabFocus, hasFocus, hide, isDoubleBuffered, isFocusCycleRoot, isFocusTraversable, isLightweightComponent, isManagingFocus, isMaximumSizeSet, isMinimumSizeSet, isOpaque, isOptimizedDrawingEnabled, isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, isValidateRoot, paint, paintBorder, paintChildren, paintComponent, paintImmediately, paintImmediately, paintWithBuffer, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processFocusEvent, processKeyBinding, processKeyBindings, processKeyBindingsForAllComponents, processKeyEvent, processMouseEvent, putClientProperty, readObject, rectangleIsObscured, rectangleIsObscuredBySibling, registerKeyboardAction, registerKeyboardAction, registerWithKeyboardManager, registerWithKeyboardManager, removeAncestorListener, removeNotify, removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setCreatedDoubleBuffer, setDebugGraphicsOptions, setDoubleBuffered, setEnabled, setFlag, setFont, setForeground, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPaintingChild, setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI, setVerifyInputWhenFocusTarget, setVisible, shouldDebugGraphics, superProcessMouseEvent, unregisterKeyboardAction, unregisterWithKeyboardManager, unregisterWithKeyboardManager, update

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, addImpl, adjustListeningChildren, applyOrientation, checkGD, countComponents, createChildHierarchyEvents, createHierarchyEvents, deliverEvent, dispatchEventImpl, dispatchEventToSelf, doLayout, eventEnabled, findComponentAt, findComponentAt, findComponentAt, getAccessibleAt, getAccessibleChild, getAccessibleChildrenCount, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponentsNoClientCode, getComponents, getLayout, getMouseEventTarget, getWindow, initIDs, insets, invalidate, invalidateTree, isAncestorOf, layout, lightweightPaint, lightweightPrint, list, list, locate, minimumSize, nextFocus, numListening, paintComponents, paintHeavyweightComponents, postProcessKeyEvent, postsOldMouseEvents, preferredSize, preProcessKeyEvent, printComponents, printHeavyweightComponents, processContainerEvent, processEvent, proxyEnableEvents, proxyRequestFocus, remove, remove, removeAll, removeContainerListener, setFocusOwner, setLayout, transferFocus, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, areInputMethodsEnabled, bounds, checkImage, checkImage, checkWindowClosingException, coalesceEvents, constructComponentName, contains, createImage, createImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, getAccessibleIndexInParent, getAccessibleStateSet, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFontNoClientCode, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreenNoTreeLock, getLocationOnScreen, getName, getNativeContainer, getParentNoClientCode, getParent, getPeer, getSize, getToolkit, getToolkitImpl, getTreeLock, getWindowForObject, gotFocus, handleEvent, imageUpdate, inside, isDisplayable, isEnabled, isEnabledImpl, isLightweight, isRecursivelyVisible, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resetGC, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, toString, wait, wait, wait

Field Detail

theCurrentDataIF

```
public ISetCurrentData theCurrentDataIF
```

myXMLTree

```
public JTree myXMLTree
```

cm

```
private ConfigurationManager cm
```

editable

```
private boolean editable
```

rightClickOptions

```
private Object[] rightClickOptions
```

theMessage

```
public String theMessage
```

theRightClickMouseHandler

```
private EditableXMLTreeNodeMouseEvents theRightClickMouseHandler
```

msgType

```
private int msgType
```

Constructor Detail

XMLMessageView

```
public XMLMessageView(ConfigurationManager cm,  
                      ISetCurrentData myCurrentDataIF,  
                      boolean editable,  
                      Object[] rightClickOptions)
```

XMLMessageView

```
public XMLMessageView(ConfigurationManager cm,  
    ISetCurrentData myCurrentDataIF,  
    boolean editable,  
    Object[] rightClickOptions,  
    int msgType)
```

XMLMessageView

```
public XMLMessageView(ConfigurationManager cm,  
    ISetCurrentData myCurrentDataIF)
```

Same as calling XMLMessageView(cm, myCurrentDataIF, false, null)

Parameters:

cm -
myCurrentDataIF -

Method Detail

main

```
public static void main(String[] matt)  
    throws Exception
```

initComponents

```
private void initComponents()
```

This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.

setData

```
public void setData(org.w3c.dom.Document theData)
```

Since:
3

setData

```
public void setData(org.w3c.dom.Node theData)
```

Since:
3

setData

```
public void setData(String theData)
```

Specified by:setData in interface IViewer

getData

```
public String getData()
```

Specified by:getData in interface IViewer

getSelectedNodeData

```
public org.w3c.dom.Node getSelectedNodeData()
```

Since:

2

setEditable

```
public void setEditable(boolean editable)
```

Sets the tree to either editable or not

Parameters:

editable - Whether or not the tree should be editable

Since:

2

getDataAsXMLDOM

```
public org.w3c.dom.Document getDataAsXMLDOM()
```

Returns:

the xml data as a DOM document

Since:

2

getDataAsXMLString

```
public String getDataAsXMLString()
```

Returns:

the xml data as a string

Since:2

convertDOMToString

```
private String convertDOMToString(org.w3c.dom.Node root)
```

Deprecated. use *com.classiq.util.XMLUtil2.convertDOMToString(Node)*

Parameters:

root -

Returns:**Since:**

2

convertDOMToStringRecurse

```
private String convertDOMToStringRecurse(org.w3c.dom.Node node,  
                                         String xmlString)
```

Returns:**Since:**

2

setRootVisible

```
public void setRootVisible(boolean visible)
```

sets the root of the tree to be either visible or not

Parameters:

visible - true if the root should be visible, false otherwise

Since:

4

myXMLTreeSelectionChanged

```
private void myXMLTreeSelectionChanged(TreeSelectionEvent evt)
```

reportChangedSelection

```
private void reportChangedSelection()
```

getSubstitutedData

```
public ArrayList getSubstitutedData()
```

getMappedData

```
public ArrayList getMappedData()
```

setSubstitutions

```
public void setSubstitutions(String theSubs)
```

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com.classiq.message.viewers

Interface ISetCurrentData

All Known Implementing Classes:

[DataSelectionWindow](#), [DataViewerWindow](#)public interface **ISetCurrentData**

Version:

Author:

administrator

Method Summary

Hashtable	getSelectedData()
void	setSelectedData (Hashtable theSelectionInformation)

Method Detail

setSelectedData

```
public void setSelectedData(Hashtable theSelectionInformation)
```

getSelectedData

```
public Hashtable getSelectedData()
```

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com.classiq.message.viewers

Class TabbedMessageViewer

```

java.lang.Object
|
+-- java.awt.Component
|   |
|   +-- java.awt.Container
|       |
|       +-- javax.swing.JComponent
|           |
|           +-- javax.swing.JPanel
|               |
|               +-- com.classiq.message.viewers.TabbedMessageViewer
    
```

All Implemented Interfaces:
[Accessible](#), [ImageObserver](#), [IViewer](#), [MenuContainer](#), [Serializable](#)

```

public class TabbedMessageViewer
extends JPanel
implements IViewer
    
```

Version:

4

See Also:
[Serialized Form](#)
Inner Class Summary

private class	TabbedMessageViewer.AutoUpdateTask This task reads the file %ciq_root%\tmp\TMVD.tmp and loads it as the data
------------------	--

Inner classes inherited from class javax.swing.JPanel
[JPanel.AccessibleJPanel](#)
Inner classes inherited from class javax.swing.JComponent
[JComponent.AccessibleJComponent](#), [JComponent.ActionStandin](#), [JComponent.IntVector](#),
[JComponent.KeyboardState](#)
Inner classes inherited from class java.awt.Container
[Container.AccessibleAWTContainer](#)
Inner classes inherited from class java.awt.Component
[Component.AccessibleAWTComponent](#), [Component.AWTTreeLock](#)
Field Summarystatic [Object](#)()
[ALL OPTIONS](#)

private <u>Timer</u>	<u>autoUpdateTimer</u>
private <u>ConfigurationManager</u>	<u>cm</u>
int	<u>currentTabIndex</u>
static <u>Object[]</u>	<u>EDIT_MAP_OPTIONS</u>
static <u>Object[]</u>	<u>EDIT_PARAM_OPTIONS</u>
static <u>Integer</u>	<u>EDIT_VALUE_OPTION</u>
static <u>String</u>	<u>EDIT_VALUE_STRING</u>
<u>FixedFormatMessageView</u>	<u>fixedFormatViewer</u>
<u>JTabbedPane</u>	<u>jTabbedPane1</u>
static <u>Integer</u>	<u>MAP_FROM_INPUT_OPTION</u>
static <u>String</u>	<u>MAP_FROM_INPUT_STRING</u>
private <u>JMenuBar</u>	<u>menuBar</u>
private int	<u>messageLength</u>
private int	<u>msgType</u>
static <u>Integer</u>	<u>PARAMETERIZE_OPTION</u>
static <u>String</u>	<u>PARAMETERIZE_STRING</u>
<u>RawMessageView</u>	<u>rawViewer</u>
private static <u>String</u>	<u>RECENT_TAB_PROP_NAME</u>
private <u>RecentFiles</u>	<u>recentFiles</u>
static <u>Integer</u>	<u>UNMAP_OPTION</u>
static <u>String</u>	<u>UNMAP_STRING</u>
<u>XMLMessageView</u>	<u>XMLViewer</u>

Fields inherited from class javax.swing.JPaneldefaultLayout, uiClassID**Fields inherited from class javax.swing.JComponent**

bounds, accessibleContext, actionMap, ACTIONMAP CREATED, alignmentX, alignmentY, ANCESTOR INPUTMAP CREATED, ANCESTOR USING BUFFER, ancestorInputMap, ancestorNotifier, autoscroller, border, changeSupport, clientProperties, CREATED DOUBLE BUFFER, flags, FOCUS INPUTMAP CREATED, focusInputMap, HAS FOCUS, htmlKey, htmlView, inputVerifier, IS DOUBLE BUFFERED, IS OPAQUE, IS PAINTING TILE, IS PRINTING, IS PRINTING ALL, KEY EVENTS ENABLED, KEYBOARD BINDINGS KEY, listenerList, maximumSize, minimumSize, NEXT FOCUS, paintImmediatelyClip, paintingChild, preferredSize, readObjectCallbacks, REQUEST FOCUS DISABLED, tmpRect, TOOL TIP TEXT KEY, ui, UNDEFINED CONDITION, verifyInputWhenFocusTarget, vetoableChangeSupport, WHEN ANCESTOR OF FOCUSED COMPONENT, WHEN FOCUSED, WHEN IN FOCUSED WINDOW, WHEN IN FOCUSED WINDOW BINDINGS, WIF INPUTMAP CREATED, windowInputMap

Fields inherited from class java.awt.Container

component, containerListener, containerSerializedDataVersion, dbg, dispatcher, layoutMgr, listeningBoundsChildren, listeningChildren, maxSize, ncomponents, printing, printingThreads, serialVersionUID

Fields inherited from class java.awt.Component

actionListenerK, adjustmentListenerK, appContext, background, BOTTOM ALIGNMENT, CENTER ALIGNMENT, componentListener, componentListenerK, componentOrientation, componentSerializedDataVersion, containerListenerK, cursor, dropTarget, enabled, eventMask, focusListener, focusListenerK, font, foreground, graphicsConfig, hasFocus, height, hierarchyBoundsListener, hierarchyBoundsListenerK, hierarchyListener, hierarchyListenerK, incRate, inputMethodListener, inputMethodListenerK, isInc, isPacked, itemListenerK, keyListener, keyListenerK, LEFT ALIGNMENT, locale, LOCK, metrics, minSize, mouseListener, mouseListenerK, mouseMotionListener, mouseMotionListenerK, name, nameExplicitlySet, newEventsOnly, ownedWindowK, parent, peer, peerFont, popups, prefSize, privateKey, RIGHT ALIGNMENT, textListenerK, TOP ALIGNMENT, valid, visible, width, windowClosingException, windowListenerK, x, y

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

TabbedMessageViewer(ConfigurationManager cm, boolean autoUpdate)

This will display the TabbedMessageViewer with no mapping or editing ability.

TabbedMessageViewer(ConfigurationManager cm, ISetCurrentData theDataInterface)

TabbedMessageViewer(ConfigurationManager cm, ISetCurrentData theDataInterface, boolean isEditable)
Creates new TabbedPanel

TabbedMessageViewer(ConfigurationManager cm, ISetCurrentData theDataInterface, boolean isEditable, Object[] options)

TabbedMessageViewer(ConfigurationManager cm, ISetCurrentData theDataInterface, boolean isEditable, Object[] options, int messageType)

Method Summary

private void	<u>buildMenuBar</u> ()
void	<u>finalize</u> ()
private void	<u>forceTabChange</u> (int newTabIndex)
private void	<u>forceTabChange</u> (String newTabIndex)
String	<u>getData</u> ()
ArrayList	<u>getMappings</u> ()

<u>JMenuBar</u>	<u>getMenuBar</u> ()
<u>String</u>	<u>getSubstitutions</u> ()
private void	<u>loadFileIntoTabs</u> (<u>File</u> f, <u>Component</u> parent)
static void	<u>main</u> (<u>String</u> [] matt)
private void	<u>openFileAction</u> (<u>ActionEvent</u> evt)
private void	<u>openRecentFileAction</u> (<u>ActionEvent</u> evt)
private void	<u>openTemplateFileAction</u> (<u>ActionEvent</u> evt)
void	<u>ProcessTabChange</u> ()
void	<u>setData</u> (<u>String</u> theData)
void	<u>setIncomingMessage</u> (<u>String</u> theData)
void	<u>setMappings</u> (<u>ArrayList</u> newMappings)
void	<u>setSubstitutions</u> (<u>String</u> theSubs)

Methods inherited from class javax.swing.JPanel

```
, getAccessibleContext, getUIClassID, paramString, updateUI, writeObject
```

Methods inherited from class `javax.swing.JComponent`

paintImmediately, addAncestorListener, addNotify, addPropertyChangeListener,
addPropertyChangeListener, addVetoableChangeListener, adjustPaintFlags, alwaysOnTop,
checkIfChildObscuredBySibling, clearFocusOwners, componentInputMapChanged, computeVisibleRect,
computeVisibleRect, compWriteObjectNotify, contains, createToolTip, disable, enable,
enableSerialization, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange,
fireVetoableChange, getActionForKeyStroke, getActionMap, getActionMap, getAlignmentX, getAlignmentY,
getAutoscrolls, getBorder, getBounds, getClientProperties, getClientProperty, getComponentGraphics,
getConditionForKeyStroke, getCreatedDoubleBuffer, getDebugGraphicsOptions, getFlag, getGraphics,
getHeight, getInputMap, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners,
getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPreferredSize,
getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText,
getTopLevelAncestor, getVerifyInputWhenFocusTarget, setVisibleRect, getWidth, getX, getY, grabFocus,
hasFocus, hide, isDoubleBuffered, isFocusCycleRoot, isFocusTraversable, isLightweightComponent,
isManagingFocus, isMaximumSizeSet, isMinimumSizeSet, isOpaque, isOptimizedDrawingEnabled,
isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, isValidatedRoot, paint, paintBorder,
paintChildren, paintComponent, paintImmediately, paintImmediately, paintWithBuffer, print, printAll,
printBorder, printChildren, printComponent, processComponentKeyEvent, processFocusEvent,
processKeyBinding, processKeyBindings, processKeyBindingsForAllComponents, processKeyEvent,
processMouseEvent, putClientProperty, readObject, rectangleIsObscured,
rectangleIsObscuredBySibling, registerKeyboardAction, registerKeyboardAction,
registerWithKeyboardManager, registerWithKeyboardManager, removeAncestorListener, removeNotify,
removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint,
repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate,
scrollRectToVisible, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground,
setBorder, setCreatedDoubleBuffer, setDebugGraphicsOptions, setDoubleBuffered, setEnabled, setFlag,
setFont, setForeground, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize,
setNextFocusableComponent, setOpaque, setPaintingChild, setPreferredSize, setRequestFocusEnabled,
setToolTipText, setUI, setVerifyInputWhenFocusTarget, setVisible, shouldDebugGraphics,
superProcessMouseEvent, unregisterKeyboardAction, unregisterWithKeyboardManager,
unregisterWithKeyboardManager, update

Methods inherited from class java.awt.Container

[add](#), [add](#), [add](#), [add](#), [add](#), [addContainerListener](#), [addImpl](#), [adjustListeningChildren](#), [applyOrientation](#), [checkGD](#), [countComponents](#), [createChildHierarchyEvents](#), [createHierarchyEvents](#), [deliverEvent](#), [dispatchEventImpl](#), [dispatchEventToSelf](#), [doLayout](#), [eventEnabled](#), [findComponentAt](#), [findComponentAt](#), [findComponentAt](#), [getAccessibleAt](#), [getAccessibleChild](#), [getAccessibleChildrenCount](#), [getComponent](#), [getComponentAt](#), [getComponentAt](#), [getComponentCount](#), [getComponents](#) NoClientCode, [getComponents](#), [getLayout](#), [getMouseEventTarget](#), [getWindow](#), [initIDs](#), [insets](#), [invalidate](#), [invalidateTree](#), [isAncestorOf](#), [layout](#), [lightweightPaint](#), [lightweightPrint](#), [list](#), [list](#), [locate](#), [minimumSize](#), [nextFocus](#), [numListening](#), [paintComponents](#), [paintHeavyweightComponents](#), [postProcessKeyEvent](#), [postsOldMouseEvents](#), [preferredSize](#), [preProcessKeyEvent](#), [printComponents](#), [printHeavyweightComponents](#), [processContainerEvent](#), [processEvent](#), [proxyEnableEvents](#), [proxyRequestFocus](#), [remove](#), [remove](#), [removeAll](#), [removeContainerListener](#), [setFocusOwner](#), [setLayout](#), [transferFocus](#), [validate](#), [validateTree](#)

Methods inherited from class java.awt.Component

[action](#), [add](#), [addComponentListener](#), [addFocusListener](#), [addHierarchyBoundsListener](#), [addHierarchyListener](#), [addInputMethodListener](#), [addKeyListener](#), [addMouseListener](#), [addMouseMotionListener](#), [areInputMethodsEnabled](#), [bounds](#), [checkImage](#), [checkImage](#), [checkWindowClosingException](#), [coalesceEvents](#), [constructComponentName](#), [contains](#), [createImage](#), [createImage](#), [disableEvents](#), [dispatchEvent](#), [enable](#), [enableEvents](#), [enableInputMethods](#), [getAccessibleIndexInParent](#), [getAccessibleStateSet](#), [getBackground](#), [getBounds](#), [getColorModel](#), [getComponentOrientation](#), [getCursor](#), [getDropTarget](#), [getFont](#) NoClientCode, [getFont](#), [getFontMetrics](#), [getForeground](#), [getGraphicsConfiguration](#), [getInputContext](#), [getInputMethodRequests](#), [getLocale](#), [getLocation](#), [getLocationOnScreen](#) NoTreeLock, [getLocationOnScreen](#), [getName](#), [getNativeContainer](#), [getParent](#) NoClientCode, [getParent](#), [getPeer](#), [getSize](#), [getToolkit](#), [getToolkitImpl](#), [getTreeLock](#), [getWindowForObject](#), [gotFocus](#), [handleEvent](#), [imageUpdate](#), [inside](#), [isDisplayable](#), [isEnabled](#), [isEnabledImpl](#), [isLightweight](#), [isRecursivelyVisible](#), [isShowing](#), [isValid](#), [isVisible](#), [keyDown](#), [keyUp](#), [list](#), [list](#), [list](#), [location](#), [lostFocus](#), [mouseDown](#), [mouseDrag](#), [mouseEnter](#), [mouseExit](#), [mouseMove](#), [mouseUp](#), [move](#), [nextFocus](#), [paintAll](#), [postEvent](#), [prepareImage](#), [prepareImage](#), [processComponentEvent](#), [processHierarchyBoundsEvent](#), [processHierarchyEvent](#), [processInputMethodEvent](#), [processMouseEvent](#), [remove](#), [removeComponentListener](#), [removeFocusListener](#), [removeHierarchyBoundsListener](#), [removeHierarchyListener](#), [removeInputMethodListener](#), [removeKeyListener](#), [removeMouseListener](#), [removeMouseMotionListener](#), [repaint](#), [repaint](#), [repaint](#), [resetGC](#), [resize](#), [resize](#), [setBounds](#), [setBounds](#), [setComponentOrientation](#), [setCursor](#), [setDropTarget](#), [setLocale](#), [setLocation](#), [setLocation](#), [setName](#), [setSize](#), [setSize](#), [show](#), [show](#), [size](#), [toString](#), [transferFocus](#)

Methods inherited from class java.lang.Object

[clone](#), [equals](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [registerNatives](#), [wait](#), [wait](#), [wait](#)

Field Detail**rawViewer**

```
public RawMessageView rawViewer
```

fixedFormatViewer

```
public FixedFormatMessageView fixedFormatViewer
```

XMLViewer

```
public XMLMessageView XMLViewer
```

jTabbedPane1


```
public JTabbedPane jTabbedPane1
```

currentTabIndex

```
public int currentTabIndex
```

cm

```
private ConfigurationManager cm
```

autoUpdateTimer

```
private Timer autoUpdateTimer
```

msgType

```
private int msgType
```

menuBar

```
private JMenuBar menuBar
```

recentFiles

```
private RecentFiles recentFiles
```

messageLength

```
private int messageLength
```

RECENT_TAB_PROP_NAME

```
private static final String RECENT_TAB_PROP_NAME
```

EDIT_VALUE_OPTION

```
public static final Integer EDIT_VALUE_OPTION
```

EDIT_VALUE_STRING

```
public static final String EDIT_VALUE_STRING
```

MAP_FROM_INPUT_OPTION

```
public static final Integer MAP_FROM_INPUT_OPTION
```

MAP_FROM_INPUT_STRING

```
public static final String MAP_FROM_INPUT_STRING
```

UNMAP_OPTION

```
public static final Integer UNMAP_OPTION
```

UNMAP_STRING

```
public static final String UNMAP_STRING
```

PARAMETERIZE_OPTION

```
public static final Integer PARAMETERIZE_OPTION
```

PARAMETERIZE_STRING

```
public static final String PARAMETERIZE_STRING
```

ALL_OPTIONS

```
public static Object[] ALL_OPTIONS
```

EDIT_MAP_OPTIONS

```
public static Object[] EDIT_MAP_OPTIONS
```

EDIT_PARAM_OPTIONS

```
public static Object[] EDIT_PARAM_OPTIONS
```

Constructor Detail**TabbedMessageViewer**

```
public TabbedMessageViewer(ConfigurationManager cm,
                           boolean autoUpdate)
```

This will display the TabbedMessageViewer with no mapping or editing ability.

Parameters:

autoUpdate - Specifies if the message viewer should look for the file %ciq_root%\tmp\TMVD.tmp and update the data in the viewer with the data from the file

Since:

3

TabbedMessageViewer

```
public TabbedMessageViewer(ConfigurationManager cm,
                           ISetCurrentData theDataInterface,
                           boolean isEditable)
```

Creates new TabbedPanel

TabbedMessageViewer

```
public TabbedMessageViewer(ConfigurationManager cm,
                           ISetCurrentData theDataInterface,
                           boolean isEditable,
                           Object[] options)
```

TabbedMessageViewer

```
public TabbedMessageViewer(ConfigurationManager cm,
                           ISetCurrentData theDataInterface,
                           boolean isEditable,
                           Object[] options,
                           int messageType)
```

TabbedMessageViewer

```
public TabbedMessageViewer(ConfigurationManager cm,
                           ISetCurrentData theDataInterface)
```

Method Detail

main

```
public static void main(String[] matt)
```

finalize

```
public void finalize()  
    throws Throwable
```

Overrides:

finalize in class Object

getMenuBar

```
public JMenuBar getMenuBar()
```

buildMenuBar

```
private void buildMenuBar()
```

openRecentFileAction

```
private void openRecentFileAction(ActionEvent evt)
```

openTemplateFileAction

```
private void openTemplateFileAction(ActionEvent evt)
```

openFileAction

```
private void openFileAction(ActionEvent evt)
```

loadFileIntoTabs

```
private void loadFileIntoTabs(File f,  
                             Component parent)
```

setIncomingMessage

```
public void setIncomingMessage(String theData)
```

getData

```
public String getData()
```

Specified by:

getData in interface IViewer

getSubstitutions

```
public String getSubstitutions()
```

Since:

4

getMappings

```
public ArrayList getMappings()
```

Since:

4

setMappings

```
public void setMappings(ArrayList newMappings)
```

Since:

4

setSubstitutions

```
public void setSubstitutions(String theSubs)
```

Since:

5

setData

```
public void setData(String theData)
```

Specified by:

setData in interface IViewer

forceTabChange

```
private void forceTabChange(int newTabIndex)
```

forceTabChange

```
private void forceTabChange(String newTabIndex)
```

ProcessTabChange

```
public void ProcessTabChange()
```

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com.classiq.message.viewers

Class ViewerUtil

```
java.lang.Object
|
+--com.classiq.message.viewers.ViewerUtil
```

```
public class ViewerUtil
extends Object
```

Version:

Author:
administrator

Constructor Summary	
ViewerUtil()	Creates new ViewerUtil

Method Summary	
static Hashtable	getSelectionAsHashtable (org.w3c.dom.Element theSelection)
static String	getSelectionAsXML (Hashtable theHash)

Methods inherited from class java.lang.Object	
clone , equals , finalize , getClass , hashCode , notify , notifyAll , registerNatives , toString , wait , wait	

Constructor Detail

ViewerUtil

```
public ViewerUtil()

    Creates new ViewerUtil
```

Method Detail

getSelectionAsHashtable

```
public static Hashtable getSelectionAsHashtable(org.w3c.dom.Element theSelection)
```

getSelectionAsXML

```
public static String getSelectionAsXML(Hashtable theHash)
```

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com.classiq.datasub

Class DataSubConstants[java.lang.Object](#)|
+--com.classiq.datasub.DataSubConstants

```
public class DataSubConstants
extends Object
```

Version:

1

Author:

dustin

Field Summary

static int	INPUT_MSG
static int	NA_MSG
static int	OUTPUT_MSG
static int	RETURN_CANCEL
static int	RETURN_OK
static String	TITLE

Constructor Summary[DataSubConstants\(\)](#)**Methods inherited from class [java.lang.Object](#)**[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [registerNatives](#), [toString](#), [wait](#), [wait](#), [wait](#)**Field Detail****TITLE**

```
public static String TITLE
```

NA_MSG

```
public static final int NA_MSG
```

INPUT_MSG

```
public static final int INPUT_MSG
```

OUTPUT_MSG

```
public static final int OUTPUT_MSG
```

RETURN_OK

```
public static final int RETURN_OK
```

RETURN_CANCEL

```
public static final int RETURN_CANCEL
```

Constructor Detail

DataSubConstants

```
public DataSubConstants()
```

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DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.classiq.datasub

Class DataSubstitutionDlg

```

java.lang.Object
|
+-- java.awt.Component
|   |
|   +-- java.awt.Container
|       |
|       +-- java.awt.Window
|           |
|           +-- java.awt.Dialog
|               |
|               +-- javax.swing.JDialog
|                   |
|                   +-- com.classiq.datasub.DataSubstitutionDlg
    
```

All Implemented Interfaces:

[Accessible](#), [ImageObserver](#), [MenuContainer](#), [RootPaneContainer](#), [Serializable](#), [WindowConstants](#)

public class DataSubstitutionDlg
extends [JDialog](#)

Version:

1

Author:

dustin

See Also:

[DataSubConstants](#), [Serialized Form](#)

Inner classes inherited from class javax.swing.JDialog

[JDialog.AccessibleJDialog](#)

Inner classes inherited from class java.awt.Dialog

[Dialog.AccessibleAWTDialog](#)

Inner classes inherited from class java.awt.Window

[Window.AccessibleAWTWindow](#)

Inner classes inherited from class java.awt.Container

[Container.AccessibleAWTContainer](#)

Inner classes inherited from class java.awt.Component

[Component.AccessibleAWTComponent](#), [Component.AWTTreeLock](#) ..

Field Summary

private JButton	cancelButton
------------------------------------	------------------------------

private boolean	<u>comboBoxFilled</u>
private JLabel	<u>currentValueLabel</u>
private JComboBox	<u>dataSubTypeComboBox</u>
private JPanel	<u>defaultPanel</u>
private Hashtable	<u>dsModuleHash</u> Contains the panels from the ds modules. The keys are the names that appear in the list of ds types
private JLabel	<u>jLabel11</u>
private JLabel	<u>jLabel12</u>
private JLabel	<u>jLabel13</u>
private JLabel	<u>jLabel15</u>
private JPanel	<u>jPanel11</u>
private JPanel	<u>jPanel12</u>
private JPanel	<u>jPanel13</u>
private JPanel	<u>jPanel14</u>
private JPanel	<u>jPanel15</u>
private JPanel	<u>modulePanel</u>
private int	<u>msgType</u> Indicates if this is an input or an output message. Currently, possible values are INPUT_MSG or OUTPUT_MSG (defined in com.classiq.datasub.DataSubConstants)
private JButton	<u>okButton</u>
private String	<u>paramName</u> The parameter name of the field for which the substitution is taking place
private JLabel	<u>paramNameLabel</u>
private String	<u>paramValue</u> The current value of the field represented by paramName
private Frame	<u>parent</u>
private int	<u>returnCode</u> Holds the value of the return code Values are defined in DataSubConstants as RETURN_X
private URLClassLoader	<u>urlcl</u>

Fields inherited from class javax.swing.JDialogaccessibleContext, defaultCloseOperation, rootPane, rootPaneCheckingEnabled**Fields inherited from class java.awt.Dialog**base, keepBlocking, modal, nameCounter, resizable, serialVersionUID, title**Fields inherited from class java.awt.Window**active, dbg, focusMgr, inputContext, inputContextLock, OPENED, ownedWindowList, showWithParent, state, warningString, weakThis, windowListener, windowSerializedDataVersion**Fields inherited from class java.awt.Container**component, containerListener, containerSerializedDataVersion, dispatcher, layoutMgr, listeningBoundsChildren, listeningChildren, maxSize, ncomponents, printing, printingThreads**Fields inherited from class java.awt.Component**actionListenerK, adjustmentListenerK, appContext, background, BOTTOM ALIGNMENT, CENTER ALIGNMENT, changeSupport, componentListener, componentListenerK, componentOrientation, componentSerializedDataVersion, containerListenerK, cursor, dropTarget, enabled, eventMask, focusListener, focusListenerK, font, foreground, graphicsConfig, hasFocus, height, hierarchyBoundsListener, hierarchyBoundsListenerK, hierarchyListener, hierarchyListenerK, incRate, inputMethodListener, inputMethodListenerK, isInc, isPacked, itemListenerK, keyListener, keyListenerK, LEFT ALIGNMENT, locale, LOCK, metrics, minSize, mouseListener, mouseListenerK, mouseMotionListener, mouseMotionListenerK, name, nameExplicitlySet, newEventsOnly, ownedWindowK, peer, peerFont, popups, prefSize, privateKey, RIGHT ALIGNMENT, textListenerK, TOP ALIGNMENT, valid, visible, width, windowClosingException, windowListenerK, x, y**Fields inherited from interface javax.swing.WindowConstants**DISPOSE ON CLOSE, DO NOTHING ON CLOSE, HIDE ON CLOSE**Fields inherited from interface java.awt.image.ImageObserver**ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH**Constructor Summary**DataSubstitutionDlg(Frame parent, boolean modal, String paramName, String paramValue, int msgType)
Creates new form DataSubstitutionDlg**Method Summary**

private void	<u>cancelButtonActionPerformed</u> (<u>ActionEvent</u> evt)
private void	<u>close</u> (int returnCode)
private void	<u>closeDialog</u> (<u>WindowEvent</u> evt) Closes the dialog
private void	<u>dataSubTypeComboBoxActionPerformed</u> (<u>ActionEvent</u> evt)
<u>String</u>	<u>getDataSubstitutionElementTag</u> (<u>String</u> type) Call this to get the tag name used for the element returned by <u>getDataSubstitutionXML</u> ()
<u>String</u>	<u>getDataSubstitutionShortDescription</u> () Call this to get a descriptive note about what the substitution is
<u>String</u>	<u>getDataSubstitutionType</u> () Call this to get the name to put into the DataSub element
<u>String</u>	<u>getDataSubstitutionXML</u> ()

	Call this to get the substitution xml Note that this should only be called after it is determined that the user clicked OK
private void	<u>getDSModules()</u>
int	<u>getReturnCode()</u> Call this to determine if the user clicked OK or cancel (or the X button)
private void	<u>initComponents()</u> This method is called from within the constructor to initialize the form.
static void	<u>main(String[] args)</u>
private void	<u>okButtonActionPerformed(ActionEvent evt)</u>
void	<u>setDataSubstitutionData(String type, org.w3c.dom.Element data)</u> Call this to set the data and make the substitution editable

Methods inherited from class javax.swing.JDialog

addImpl, createRootPane, createRootPaneException, dialogInit, getAccessibleContext, getContentPane, getDefaultCloseOperation, getGlassPane, getJMenuBar, getLayeredPane, getRootPane, isRootPaneCheckingEnabled, paramString, processKeyEvent, processWindowEvent, remove, setContentPane, setDefaultCloseOperation, setGlassPane, setJMenuBar, setLayeredPane, setLayout, setLocationRelativeTo, setRootPane, setRootPaneCheckingEnabled, update

Methods inherited from class java.awt.Dialog

, addNotify, conditionalShow, constructComponentName, dispose, disposeImpl, getTitle, hide, hideAndDisposeHandler, initIDs, interruptBlocking, isModal, isResizable, setModal, setResizable, setTitle, show

Methods inherited from class java.awt.Window

addOwnedWindow, addWindowListener, adjustListeningChildren, applyResourceBundle, applyResourceBundle, connectOwnedWindow, dispatchEventImpl, eventEnabled, finalize, getFocusOwner, getGraphicsConfiguration, getInputContext, getListeners, getLocale, getOwnedWindows, getOwner, getToolkit, getWarningString, isActive, isShowing, nextFocus, ownedInit, pack, postEvent, postProcessKeyEvent, postWindowEvent, preProcessKeyEvent, processEvent, readObject, removeOwnedWindow, removeWindowListener, resetGC, setCursor, setFocusOwner, setWarningString, toBack, toFront, transferFocus, writeObject

Methods inherited from class java.awt.Container

add, add, add, add, addContainerListener, applyOrientation, checkGD, countComponents, createChildHierarchyEvents, createHierarchyEvents, deriveEvent, dispatchEventToSelf, doLayout, findComponentAt, findComponentAt, findComponentAt, getAccessibleAt, getAccessibleChild, getAccessibleChildrenCount, getAlignmentX, getAlignmentY, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, NoClientCode, getComponents, getInsets, getLayout, getMaximumSize, getMinimumSize, getMouseEventTarget, getPreferredSize, getWindow, insets, invalidate, invalidateTree, isAncestorOf, layout, lightweightPaint, lightweightPrint, list, list, locate, minimumSize, numListening, paint, paintComponents, paintHeavyweightComponents, postsOldMouseEvents, preferredSize, print, printComponents, printHeavyweightComponents, processContainerEvent, proxyEnableEvents, proxyRequestFocus, remove, removeAll, removeContainerListener, removeNotify, setFont, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addPropertyChangeListener, addPropertyChangeListener, areInputMethodsEnabled, bounds, checkImage, checkImage, checkWindowClosingException, coalesceEvents, contains, createImage, createImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, getAccessibleIndexInParent, getAccessibleStateSet, getBackground, getBounds, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, NoClientCode, getFont, getFontMetrics, getForeground, getGraphics, getHeight, getInputMethodRequests, getLocation, getLocation, getLocationOnScreen, NoTreeLock, getLocationOnScreen, getName, getNativeContainer, getParent, NoClientCode, getParent, getPeer, getSize, getSize, getToolkitImpl, getTreeLock, getWidth, getWindowForObject, getX, getY, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isDisplayable,

isDoubleBuffered, isEnabled, isEnabledImpl, isFocusTraversable, isLightweight, isOpaque, isRecursivelyVisible, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, repaint, requestFocus, reshape, resize, resize, setBackground, setBounds, setBounds, setComponentOrientation, setDropTarget, setEnabled, setForeground, setLocale, setLocation, setLocation, setName, setSize, setSize, setVisible, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, registerNatives, wait, wait, wait

Field Detail

modulePanel

private JPanel modulePanel

defaultPanel

private JPanel defaultPanel

jLabel2

private JLabel jLabel2

jPanel2

private JPanel jPanel2

jPanel1

private JPanel jPanel1

jLabel1

private JLabel jLabel1

dataSubTypeComboBox

```
private JComboBox dataSubTypeComboBox
```

jPanel3

```
private JPanel jPanel3
```

jLabel3

```
private JLabel jLabel3
```

paramNameLabel

```
private JLabel paramNameLabel
```

jPanel4

```
private JPanel jPanel4
```

jLabel5

```
private JLabel jLabel5
```

currentValueLabel

```
private JLabel currentValueLabel
```

jPanel5

```
private JPanel jPanel5
```

okButton

```
private JButton okButton
```

cancelButton

```
private JButton cancelButton
```

parent

```
private Frame parent
```

urlcl

```
private URLClassLoader urlcl
```

dsModuleHash

```
private Hashtable dsModuleHash
```

Contains the panels from the ds modules.
The keys are the names that appear in the list of ds types

comboBoxFilled

```
private boolean comboBoxFilled
```

paramName

```
private String paramName
```

The parameter name of the field for which the substitution is taking place

paramValue

```
private String paramValue
```

The current value of the field represented by paramName

msgType

```
private int msgType
```

Indicates if this is an input or an output message
Currently, possible values are INPUT_MSG or OUTPUT_MSG (defined in com.classiq.datasub.DataSubConstants)

returnCode

```
private int returnCode
```

Holds the value of the return code
Values are defined in DataSubConstants as RETURN_X

Constructor Detail

DataSubstitutionDlg

```
public DataSubstitutionDlg(Frame parent,  
                           boolean modal,  
                           String paramName,  
                           String paramValue,  
                           int msgType)  
    throws Exception
```

Creates new form DataSubstitutionDlg

Method Detail

initComponents

```
private void initComponents()
```

This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.

cancelButtonActionPerformed

```
private void cancelButtonActionPerformed(ActionEvent evt)
```

okButtonActionPerformed

```
private void okButtonActionPerformed(ActionEvent evt)
```

dataSubTypeComboBoxActionPerformed

```
private void dataSubTypeComboBoxActionPerformed(ActionEvent evt)
```

closeDialog

```
private void closeDialog(WindowEvent evt)
```

Closes the dialog

main

```
public static void main(String[] args)
    throws Exception
```

Parameters:

args - the command line arguments

close

```
private void close(int returnCode)
```

getDSModules

```
private void getDSModules()
    throws Exception
```

getReturnCode

```
public int getReturnCode()
```

Call this to determine if the user clicked OK or cancel (or the X button)

Returns:

Returns the return code, defined in com.classiq.datasub.DataSubConstants as RETURN_X

getDataSubstitutionXML

```
public String getDataSubstitutionXML()
```

Call this to get the substitution xml

Note that this should only be called after it is determined that the user clicked OK

Returns:

An xml doc describing the substitution.

getDataSubstitutionElementTag

```
public String getDataSubstitutionElementTag(String type)
```

Call this to get the tag name used for the element returned by getDataSubstitutionXML()

Returns:

the tag name

getDataSubstitutionType

```
public String getDataSubstitutionType()
```

Call this to get the name to put into the DataSub element

Returns:

The name of the type of substitution

getDataSubstitutionShortDescription

```
public String getDataSubstitutionShortDescription()
```

Call this to get a descriptive note about what the substitution is

Returns:

A short descriptive string

setDataSubstitutionData

```
public void setDataSubstitutionData(String type,  
                                   org.w3c.dom.Element data)
```

Call this to set the data and make the substitution editable

Parameters:

type - The type of cache to to. This is the same value returned from getSubstitutionType()

data - The xml document describing the substitution. This is the same value that was returned from getDataSubstitutionXML()

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com.classiq.datasub

Class DataSubstitutionUtil[java.lang.Object](#)

```

|
+--com.classiq.datasub.DataSubstitutionUtil

```

```

public class DataSubstitutionUtil
extends Object

```

Version:

1

Author:

dustin

Field Summary

private static Hashtable	dsDecoderHash
---	-------------------------------

Constructor Summary[DataSubstitutionUtil\(\)](#)**Method Summary**

(package private) static void	()
static Hashtable	getDataSubDecoders()
static String	getMessageType(String theSubString)
static org.w3c.dom.Element	getSelectionElement(String theSubString)
static String	getSubDescription(String theSubString)
static org.w3c.dom.Element	getSubstitutionElement(String theSubString)
static String	getSubstitutionType(String theSubString)
static String	getSubstitutionValue(String b64EncodedDSNode, int b64LineLength, String data)
static String	getViewerType(String theSubString)

Methods inherited from class java.lang.Object

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [registerNativeMethods](#), [toString](#), [wait](#), [wait](#), [wait](#)

Field Detail**dsDecoderHash**

```
private static Hashtable dsDecoderHash
```

Constructor Detail**DataSubstitutionUtil**

```
public DataSubstitutionUtil()
```

Method Detail

```
static void ()
```

getSubDescription

```
public static String getSubDescription(String theSubString)
```

getSubstitutionElement

```
public static org.w3c.dom.Element getSubstitutionElement(String theSubString)
```

getSubstitutionType

```
public static String getSubstitutionType(String theSubString)
```

getMessageType

```
public static String getMessageType(String theSubString)
```

getSelectionElement

```
public static org.w3c.dom.Element getSelectionElement(String theSubString)
```

getViewerType

```
public static String getViewerType(String theSubString)
```

getDataSubDecoders

```
public static Hashtable getDataSubDecoders()
```

getSubstitutionValue

```
public static String getSubstitutionValue(String b64EncodedDSNode,  
                                           int b64LineLength,  
                                           String data)  
    throws Exception
```

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com.classiq.datasub

Interface IDataSubstitutionDecoder

public interface **IDataSubstitutionDecoder**

This interface is implemented by classes that serve to decode data substitution elements

Version:

1

Author:

dustin

Method Summary

String	doSubstitution (org.w3c.dom.Element dataSubElement, String inputData) does a substitution
String	getDisplayName () Returns the name that will be displayed for users to see indicating what type of data substitution it is.

Method Detail

getDisplayName

```
public String getDisplayName()
```

Returns the name that will be displayed for users to see indicating what type of data substitution it is.

Returns:

Data Substitution type

doSubstitution

```
public String doSubstitution(org.w3c.dom.Element dataSubElement,  
                           String inputData)  
    throws Exception
```

does a substitution

Parameters:

inputData - The data requiring a substitution

Returns:

The input data after substitutions have been made

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SUMMARY: INNER | FIELD | CONSTR | METHOD

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com.classiq.datasub

Interface IDataSubstitutionModule

public interface **IDataSubstitutionModule**

Implementing classes re required to have a constructor in the form:

MyImplementingClass(String, String, int)

where the values are the name of the parameter, the current value of the parameter and the message type (defined in com.classiq.datasub.DataSubConstants)

Version:

1

Author:

dustin

See Also:

[DataSubConstants](#)

Method Summary

String	getDataSubXML() Returns an xml doc (as a string) describing the substitution This doc only needs to be understood by the substitution type
String	getDataSubXMLTag() Returns the tag of the element that is returned by getDataSubXML()
String	getDisplayName() Returns the name that will be displayed for users to see indicating what type of data substitution it is.
JPanel	getDisplayPanel() Returnd the gui component for the module
String	getShortDataSubDescription() Returns a short description of what the substitution does
void	setDataSubXML(org.w3c.dom.Element substitutionXML) Allows the window (from getDisplayPanel) to be repopulated
String []	validate() Validates that the data in the display is valid

Method Detail

getDisplayName

```
public String getDisplayName()
```

Returns the name that will be displayed for users to see indicating what type of data substitution it is.

Returns:

Data Substitution type

getDisplayPanel

```
public JPanel getDisplayPanel()
```

Returnd the gui component for the module

Returns:

JPanel to be places in a gui

getDataSubXML

```
public String getDataSubXML()
```

Returns an xml doc (as a string) describing the substitution

This doc only needs to be understood by the substitution type

Returns:

An XML doc (in string form) representing the substitution

setDataSubXML

```
public void setDataSubXML(org.w3c.dom.Element substitutionXML)
```

Allows the window (from getDisplayPanel) to be repopulated

Parameters:

dataSubXML - A document in the format of the one returned by getDataSubXML

getShortDataSubDescription

```
public String getShortDataSubDescription()
```

Returns a short description of what the substitution does

Returns:

A description

validate

```
public String[] validate()
```

Validates that the data in the display is valid

Returns:

A String array containing validation messages. If the data is all valid, return null.

getDataSubXMLTag

```
public String getDataSubXMLTag()
```

Returns the tag of the element that is returned by getDataSubXML()

Returns:

The tag of the element

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